

HISTORIC AMERICAN ENGINEERING RECORD

Index to Photographs

HAER.
CAL.
38-SANFRA.
141-

Oakland-San Francisco Bay Bridge
San Francisco
San Francisco County
California

HAER No. CA-32

NOTE: Photographs were taken by Jet Lowe, photographer, 1985

5x7" negative

CA-32-1 GENERAL VIEW OF CANTILEVER SPAN LOOKING TOWARDS OAKLAND END OF
BRIDGE

4x5" negatives

CA-32-2 GENERAL VIEW OF SUSPENSION BRIDGE FROM YERBA BUENA ISLAND

CA-32-3 GENERAL VIEW OF SUSPENSION BRIDGE FROM SAN FRANCISCO

CA-32-4 GENERAL VIEW OF SUSPENSION BRIDGE FROM YERBA BUENA ISLAND WITH
CENTRAL ANCHORAGE IN THE MIDDLE OF PHOTO

CA-32-5 GENERAL VIEW OF SUSPENSION BRIDGE FROM SAN FRANCISCO, WITH
ANCHORAGE IN RIGHT FOREGROUND

CA-32-6 GENERAL VIEW OF SUSPENSION BRIDGE FROM SAN FRANCISCO, WITH
APPROACH SPAN AT RIGHT

CA-32-7 GENERAL VIEW OF SUSPENSION BRIDGE, WITH OAKLAND IN BACKGROUND

CA-32-8 GENERAL VIEW OF CANTILEVER SPAN FROM YERBA BUENA ISLAND

CA-32-9 GENERAL ELEVATION VIEW OF CANTILEVER SPAN

CA-32-10 DETAIL VIEW OF SUSPENSION BRIDGE TOWER AT SAN FRANCISCO END OF
BRIDGE

CA-32-11 GENERAL VIEW LOOKING TOWARDS SAN FRANCISCO FROM TOP OF SECOND
TOWER AWAY FROM SAN FRANCISCO SHORELINE

CA-32-12 GENERAL VIEW LOOKING TOWARDS YERBA BUENA ISLAND FROM TOP OF
SECOND TOWER AWAY FROM SAN FRANCISCO SHORELINE

CA-32-13 DETAIL VIEW OF TOWER LOOKING UP FROM WATER LEVEL

CA-32-14 DETAIL VIEW OF TOWER SHOWING CROSS BRACING AND RIVETS

CA-32-15 DETAIL VIEW OF BASE OF TOWER

Oakland-San Francisco Bay Bridge
HAER No. CA-32
Index to Photographs
(Page 2)

CA-32-16	DETAIL VIEW OF BASE OF TOWER WITH SAN FRANCISCO IN BACKGROUND
CA-32-17	DETAIL VIEW OF CONCRETE FOUNDATION FOR TOWERS
CA-32-18	DETAIL VIEW LOOKING UP INTERIOR OF TOWER
CA-32-19	DETAIL VIEW TAKEN ON TOP OF TOWER SHOWING STRUCTURE THAT PROTECTS THE CABLE SADDLE
CA-32-20	DETAIL VIEW OF CABLE SADDLE AT TOP OF TOWER
CA-32-21	GENERAL VIEW TAKEN FROM TOP OF TOWER WITH CABLE IN FOREGROUND AND SAN FRANCISCO IN BACKGROUND
CA-32-22	DETAIL VIEW OF CABLE TAKEN FROM TOP OF TOWER WITH MR. CHARLES GUELATTE ATOP CABLE
CA-32-23	DETAIL VIEW OF CENTRAL ANCHORAGE WITH TIMBER PILES IN FOREGROUND
CA-32-24	GENERAL VIEW OF UNDERSIDE OF SUSPENSION BRIDGE WITH SAN FRANCISCO SKYLINE ON RIGHT
CA-32-25	GENERAL VIEW OF UNDERSIDE OF SUSPENSION BRIDGE WITH U. S. NAVY CARRIER PASSING UNDER THE STRUCTURE
CA-32-26	DETAIL VIEW OF CENTRAL ANCHORAGE
CA-32-27	GENERAL VIEW INSIDE CENTRAL ANCHORAGE
CA-32-28	GENERAL VIEW INSIDE CENTRAL ANCHORAGE WITH BOTTOM FLOOR VISIBLE
CA-32-29	SAME VIEW AS #28 BUT WITH DIFFERENT LIGHTING
CA-32-30	DETAIL VIEW OF INTERIOR WALL OF CENTRAL ANCHORAGE
CA-32-31	DETAIL VIEW SHOWING ELECTRICAL EQUIPMENT INSIDE CENTRAL ANCHORAGE
CA-32-32	GENERAL VIEW OF CENTRAL ANCHORAGE, LOOKING UP FROM BOTTOM FLOOR
CA-32-33	GENERAL VIEW OF BOTTOM FLOOR OF CENTRAL ANCHORAGE
CA-32-34	DETAIL VIEW OF CABLE ELEMENTS INSIDE CENTRAL ANCHORAGE
CA-32-35	DETAIL VIEW OF CABLE STRANDS INSIDE CENTRAL ANCHORAGE
CA-32-36	DETAIL VIEW OF WARREN TRUSS APPROACH SPAN AT SAN FRANCISCO END OF SUSPENSION BRIDGE

Oakland-San Francisco Bay Bridge
HAER No. CA-32
Index to Photographs
(Page 3)

CA-32-37 DETAIL VIEW OF TRESTLE SUPPORTS AT SAN FRANCISCO END OF
 SUSPENSION BRIDGE

CA-32-38 DETAIL VIEW OF ANCHORAGE AT SAN FRANCISCO END OF SUSPENSION
 BRIDGE

CA-32-39 DETAIL VIEW OF CABLES ENTERING ANCHORAGE AT SAN FRANCISCO END OF
 BRIDGE

CA-32-40 DETAIL VIEW OF CABLE ELEMENTS IN SAN FRANCISCO ANCHORAGE

CA-32-41 DETAIL VIEW OF CABLE IN SAN FRANCISCO ANCHORAGE

CA-32-42 DETAIL VIEW OF CABLE IN SAN FRANCISCO ANCHORAGE

CA-32-43 DETAIL VIEW SHOWING CABLES WHERE THEY ARE ATTRACTED TO STEEL
 EYEBARS

CA-32-44 DETAIL VIEW OF CABLE/EYEBAR CONNECTIONS

CA-32-45 DETAIL VIEW OF CABLE/EYEBAR CONNECTIONS

CA-32-46 DETAIL VIEW OF CABLE EYEBAR CONNECTIONS

CA-32-47 DETAIL ELEVATION VIEW OF CANTILEVER SPAN

CA-32-48 DETAIL ELEVATION VIEW OF CANTILEVER SPAN

CA-32-49 DETAIL VIEW OF TRESTLE SUPPORTS FOR THE CANTILEVER BRIDGE
 APPROACH SPANS

CA-32-50 GENERAL VIEW OF CANTILEVER APPROACH SPANS

CA-32-51 GENERAL VIEW OF UNDERSIDE OF CANTILEVER SPAN

CA-32-52 INTERIOR VIEW OF BRIDGE "CONTROL ROOM"

CA-32-53 DETAIL OF CONTROL PANEL

HAER
CAL
38-SANFRA,
141-

HISTORIC AMERICAN ENGINEERING RECORD

INDEX TO PHOTOGRAPHS

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
Spanning the San Francisco Bay
San Francisco
San Francisco County
California

HAER No. CA-32

(page 4)

ADDENDUM TO:
OAKLAND-SAN FRANCISCO BAY BRIDGE
San Francisco
San Francisco County
California

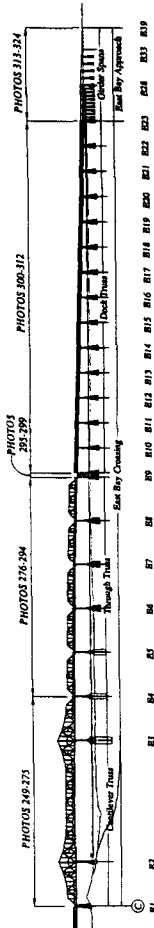
Photographs CA-32-1 through CA-32-53 were previously transmitted to the Library of Congress.

Photographs CA-32-54 through CA-32-95 are contextual views of the bridge, from San Francisco to Oakland (west to east). Photographs CA-32-96 through CA-32-324 show portions of the bridge and details, again proceeding from west to east. The different portions of the bridge are grouped together in the following sequence, as shown in the photo keys on pages 2 through 4:

- West approach, San Francisco (CA-32-96 through CA-32-148)
- San Francisco anchorage (CA-32-149 through CA-32-157)
- Continuous truss spans, San Francisco (CA-32-158 through CA-32-168)
- Pier W-1, San Francisco (CA-32-169 through CA-32-171)
- Suspension spans, San Francisco to Yerba Buena Island (CA-32-172 through CA-32-200)
- Center anchorage, Pier W-4 (CA-32-201 through CA-32-208)
- Yerba Buena Island anchorage (CA-32-209 through CA-32-215)
- Yerba Buena Island west viaduct and tunnel (CA-32-216 through CA-32-224)
- Yerba Buena Island east viaduct and tunnel (CA-32-225 through CA-32-234)
- Yerba Buena Island deck truss spans (CA-32-235 through CA-32-248)
- Cantilever truss (CA-32-249 through CA-32-275)
- Through truss spans (CA-32-276 through CA-32-294)
- Pier E-9 (CA-32-295 through CA-32-299)
- Deck truss spans (CA-32-300 through CA-32-312)
- East approach, Oakland (CA-32-313 through CA-32-324)

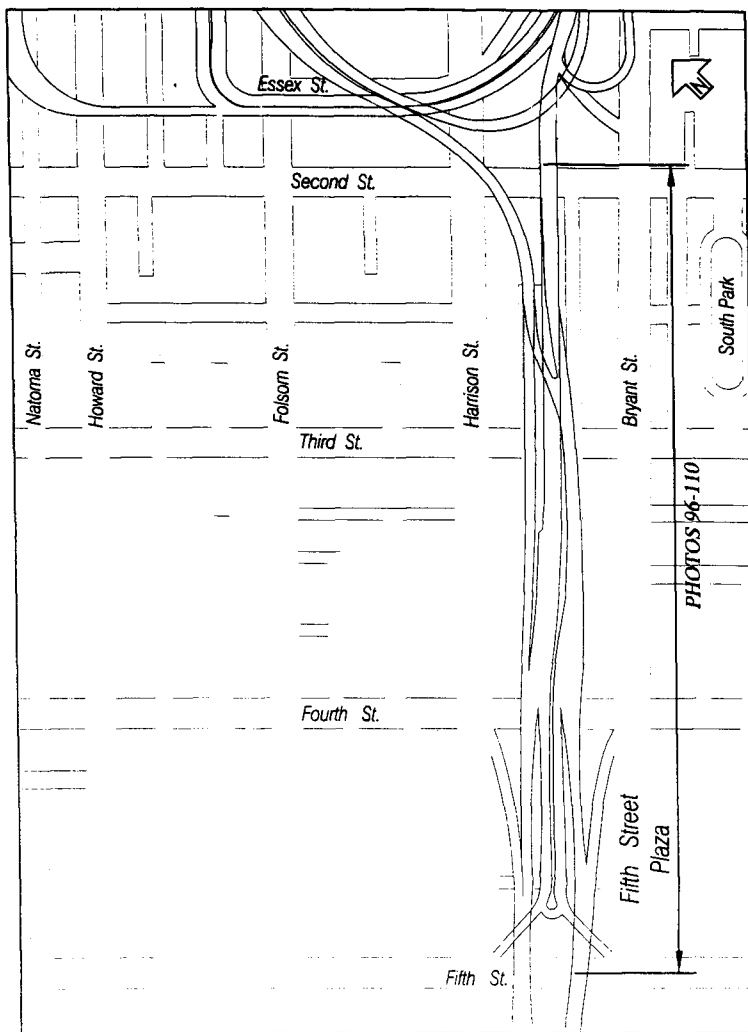
These photographs are followed by photographic copies of historic photographs (CA-32-325 through CA-32-354) and photographic copies of the original construction drawings (CA-32-355 through CA-32-415).

INDEX TO PHOTOGRAPHS (page 5)



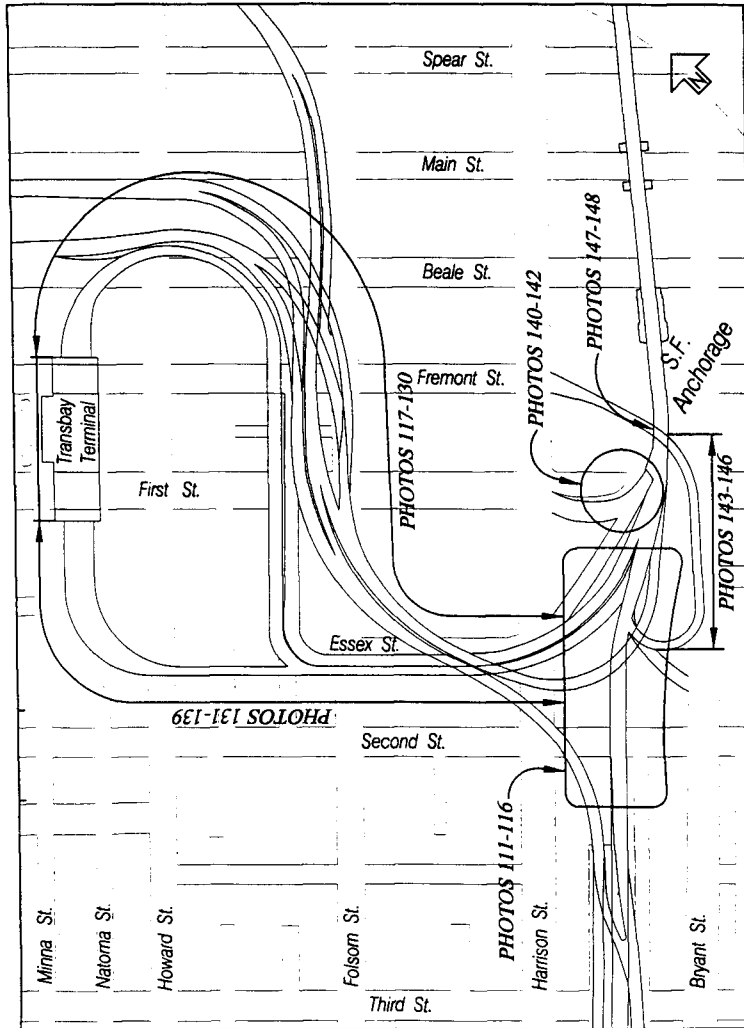
Key Map – Detail Photograph Locations (Photographs 96 – 324)

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
HAER No. CA-32
INDEX TO PHOTOGRAPHS (page 6)



Key Map - West Approach, San Francisco (Photographs 96 - 110)

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
HAER No. CA-32
INDEX TO PHOTOGRAPHS (page 7)



Key Map - West Approach, San Francisco (Photographs 111 - 148)

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
HAER No. CA-32
INDEX TO PHOTOGRAPHS (page 8)

CA-32-54	Fred Benton, Photographer HIGH AERIAL VIEW OF ENTIRE BRIDGE.	June 20, 1997.
CA-32-55	Fred Benton, Photographer CONTEXTUAL AERIAL VIEW OF BRIDGE FROM SAN FRANCISCO TO OAKLAND, FACING NORTHEAST.	August 11, 1998
CA-32-56	Fred Benton, Photographer CONTEXTUAL AERIAL VIEW OF BRIDGE FROM OAKLAND TO SAN FRANCISCO, FACING WEST.	August 11, 1998
CA-32-57	Frank Deras Jr., Photographer CONTEXTUAL VIEW OF BRIDGE FROM SAN FRANCISCO TO YERBA BUENA ISLAND, NORTH SIDE. PHOTOGRAPHED FROM ABOVE SAN FRANCISCO, FACING EAST.	July 1998
CA-32-58	Frank Deras Jr., Photographer CONTEXTUAL VIEW OF BRIDGE FROM SAN FRANCISCO TO YERBA BUENA ISLAND, NORTH SIDE. PHOTOGRAPHED FROM ABOVE ALCATRAZ ISLAND, FACING SOUTHEAST.	July 1998
CA-32-59	Frank Deras Jr., Photographer CONTEXTUAL AERIAL VIEW OF SAN FRANCISCO APPROACH FROM SOUTH OF FIFTH STREET WITH BRIDGE IN BACKGROUND, FACING NORTHEAST.	May 1998
CA-32-60	Frank Deras Jr., Photographer CONTEXTUAL AERIAL VIEW OF SAN FRANCISCO APPROACH WITH YERBA BUENA ISLAND IN BACKGROUND, FACING NORTH-NORTHEAST.	June 1998
CA-32-61	Frank Deras Jr., Photographer CONTEXTUAL AERIAL VIEW OF SAN FRANCISCO APPROACH AT FIFTH STREET, FACING NORTH.	May 1998
CA-32-62	Frank Deras Jr., Photographer CONTEXTUAL AERIAL VIEW OF SAN FRANCISCO APPROACH AND 1950S MODIFICATION AT TRANSITION FROM DOUBLE DECK HIGHWAY, SOUTH SIDE, FACING NORTH.	May 1998

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
HAER No. CA-32
INDEX TO PHOTOGRAPHS (page 9)

CA-32-63	Frank Deras Jr., Photographer	June 1998
	CONTEXTUAL AERIAL VIEW OF SAN FRANCISCO APPROACH FROM SECOND STREET TO WATERFRONT, SOUTH SIDE, FACING NORTH.	
CA-32-64	Frank Deras Jr., Photographer	April 1998
	CONTEXTUAL AERIAL VIEW OF SAN FRANCISCO APPROACH, NORTH SIDE, FACING EAST.	
CA-32-65	Frank Deras Jr., Photographer	April 1998
	CONTEXTUAL AERIAL VIEW OF SAN FRANCISCO APPROACH WITH TRANSBAY TERMINAL BUS LOOP IN BACKGROUND, SOUTH SIDE, FACING NORTHWEST.	
CA-32-66	Frank Deras Jr., Photographer	July 1998
	CONTEXTUAL AERIAL VIEW OF SAN FRANCISCO APPROACH AND SAN FRANCISCO ANCHORAGE, SOUTH SIDE, FACING WEST-SOUTHWEST.	
CA-32-67	Frank Deras Jr., Photographer	May 1998
	CONTEXTUAL AERIAL VIEW OF SAN FRANCISCO APPROACH AND SAN FRANCISCO ANCHORAGE, NORTH SIDE, FACING SOUTHEAST.	
CA-32-68	Frank Deras Jr., Photographer	June 1998
	CONTEXTUAL AERIAL VIEW OF SAN FRANCISCO APPROACH AND SAN FRANCISCO ANCHORAGE, SOUTH SIDE, FACING NORTHWEST.	
CA-32-69	Fred Benton, Photographer	August 1998
	HIGH AERIAL VIEW OF TRANSBAY TERMINAL BUS LOOP AND SAN FRANCISCO ON AND OFF RAMPS.	
CA-32-70	Frank Deras Jr., Photographer	July 1998
	CONTEXTUAL AERIAL VIEW OF TRANSBAY TERMINAL AND TRANSBAY TERMINAL BUS LOOP WITH SUSPENSION BRIDGE IN BACKGROUND, FACING NORTHEAST.	
CA-32-71	Frank Deras Jr., Photographer	June 1998
	CONTEXTUAL AERIAL VIEW OF TRANSBAY TERMINAL AND TRANSBAY TERMINAL BUS LOOP, FACING NORTHWEST.	

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
HAER No. CA-32
INDEX TO PHOTOGRAPHS (page 10)

- CA-32-72 Frank Deras Jr., Photographer May 1998
CONTEXTUAL AERIAL VIEW OF TRANSBAY TERMINAL BUS LOOP,
FACING NORTHEAST.
- CA-32-73 Frank Deras Jr., Photographer January 1998
CONTEXTUAL VIEW OF SUSPENSION BRIDGE FROM HARRISON
STREET, NORTH SIDE, FACING EAST.
- CA-32-74 Frank Deras Jr., Photographer May 1998
CONTEXTUAL AERIAL VIEW OF SUSPENSION BRIDGE, SOUTH SIDE,
WITH SAN FRANCISCO IN BACKGROUND, FACING NORTHWEST.
- CA-32-75 Frank Deras Jr., Photographer July 1998
CONTEXTUAL ELEVATION VIEW OF CENTER ANCHORAGE AND
TOWER W-5, SOUTH SIDE, FACING NORTHWEST.
- CA-32-76 Frank Deras Jr., Photographer June 1998
CONTEXTUAL VIEW OF SUSPENSION BRIDGE FROM YERBA BUENA
ISLAND TO SAN FRANCISCO, SOUTH SIDE, FACING WEST-
SOUTHWEST.
- CA-32-77 Frank Deras Jr., Photographer June 1998
CONTEXTUAL AERIAL VIEW OF SUSPENSION BRIDGE FROM TOWER
W-6 TO YERBA BUENA ISLAND WITH CANTILEVER BRIDGE IN
BACKGROUND, FACING EAST-NORTHEAST.
- CA-32-78 Frank Deras Jr., Photographer May 1998
CONTEXTUAL AERIAL VIEW OF DECK TRUSS AT CONNECTION TO
YERBA BUENA VIADUCT, SOUTH SIDE, FACING NORTHWEST.
- CA-32-79 Frank Deras Jr., Photographer May 1998
CONTEXTUAL AERIAL VIEW OF YERBA BUENA VIADUCT, EAST SIDE
OF YERBA BUENA ISLAND, WITH TREASURE ISLAND IN
BACKGROUND, FACING NORTH-NORTHWEST.
- CA-32-80 Frank Deras Jr., Photographer May 1998
CONTEXTUAL AERIAL VIEW OF YERBA BUENA TUNNEL AND
VIADUCT, EAST SIDE OF YERBA BUENA ISLAND, WITH SUSPENSION
BRIDGE AND SAN FRANCISCO IN BACKGROUND, FACING
SOUTHWEST.

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
HAER No. CA-32
INDEX TO PHOTOGRAPHS (page 11)

- CA-32-81 Frank Deras Jr., Photographer July 1998
CONTEXTUAL AERIAL VIEW OF CANTILEVER TRUSS FROM ABOVE,
WITH YERBA BUENA ISLAND IN CENTER AND SAN FRANCISCO IN
BACKGROUND, FACING SOUTHWEST.
- CA-32-82 Frank Deras Jr., Photographer May 1998
CONTEXTUAL AERIAL VIEW OF CANTILEVER TRUSS AND THROUGH
TRUSS SPANS, SOUTH SIDE, WITH TREASURE ISLAND AND YERBA
BUENA ISLAND IN BACKGROUND, FACING WEST.
- CA-32-83 Frank Deras Jr., Photographer June 1998
CONTEXTUAL AERIAL VIEW OF EAST BAY CROSSING FROM YERBA
BUENA ISLAND TO OAKLAND, NORTH SIDE, FACING EAST.
- CA-32-84 Frank Deras Jr., Photographer July 1998
CONTEXTUAL ELEVATION VIEW OF CANTILEVER TRUSS, SOUTH
SIDE, FACING NORTH.
- CA-32-85 Frank Deras Jr., Photographer June 1998
CONTEXTUAL AERIAL VIEW OF CANTILEVER TRUSS AND DECK
TRUSS, EAST SIDE OF YERBA BUENA ISLAND WITH TORPEDO
BUILDING IN FOREGROUND, NORTH SIDE, FACING SOUTH-
SOUTHWEST.
- CA-32-86 Frank Deras Jr., Photographer May 1998
CONTEXTUAL AERIAL VIEW OF CANTILEVER TRUSS AND DECK
TRUSS, EAST SIDE OF YERBA BUENA ISLAND, FACING SOUTHWEST.
- CA-32-87 Frank Deras Jr., Photographer May 1998
CONTEXTUAL AERIAL VIEW OF CANTILEVER TRUSS AND DECK
TRUSS AT PIERS E-1 AND E-2 WITH TREASURE ISLAND IN
BACKGROUND, SOUTH SIDE, FACING WEST-NORTHWEST.
- CA-32-88 Frank Deras Jr., Photographer July 1998
CONTEXTUAL ELEVATION VIEW OF CANTILEVER TRUSS AT PIER E-2,
NORTH SIDE, FACING SOUTH.
- CA-32-89 Frank Deras Jr., Photographer June 1998
CONTEXTUAL AERIAL VIEW OF EAST BAY CROSSING FROM YERBA
BUENA ISLAND TO OAKLAND, FACING NORTHEAST.

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
HAER No. CA-32
INDEX TO PHOTOGRAPHS (page 12)

CA-32-90	Frank Deras Jr., Photographer	June 1998
	CONTEXTUAL VIEW OF EAST BAY CROSSING, SOUTH SIDE, FACING NORTH-NORTHEAST.	
CA-32-91	Frank Deras Jr., Photographer	July 1998
	CONTEXTUAL AERIAL VIEW OF EAST BAY CROSSING SHOWING THROUGH TRUSS SPANS, SOUTH SIDE, FACING NORTH-NORTHWEST.	
CA-32-92	Frank Deras Jr., Photographer	July 1998
	CONTEXTUAL AERIAL VIEW OF UPPER DECK ROADWAY AT DECK TRUSS SPANS, FROM PIER E-9 TO OAKLAND, FACING EAST.	
CA-32-93	Frank Deras Jr., Photographer	June 1998
	CONTEXTUAL VIEW OF EAST BAY SPANS WITH SUBSTATION IN FOREGROUND, SOUTH SIDE, FACING WEST.	
CA-32-94	Frank Deras Jr., Photographer	July 1998
	CONTEXTUAL AERIAL VIEW OF OAKLAND APPROACH AT TOLL PLAZA WITH SAN FRANCISCO IN BACKGROUND, FACING WEST-SOUTHWEST.	
CA-32-95	Frank Deras Jr., Photographer	July 1998
	CONTEXTUAL AERIAL VIEW OF OAKLAND APPROACH AND ROUTE 980 INTERCHANGE, FACING WEST.	
CA-32-96	Dennis Hill, Photographer	December 1997
	VIEW OF SAN FRANCISCO VIADUCT AND ABUTMENT NEAR FOURTH STREET (CONCRETE) WITH 1950'S MODIFICATION IN FOREGROUND, FACING WEST.	
CA-32-97	Dennis Hill, Photographer	December 1997
	VIEW OF ELEVATION AND UNDERSIDE OF SAN FRANCISCO VIADUCT BETWEEN FIFTH AND FOURTH STREETS, FACING SOUTHEAST.	
CA-32-98	Dennis Hill, Photographer	December 1997
	VIEW OF SAN FRANCISCO VIADUCT (LEFT) AND 1950'S MODIFICATION (RIGHT), FACING NORTHEAST.	

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
HAER No. CA-32
INDEX TO PHOTOGRAPHS (page 13)

- CA-32-99 Dennis Hill, Photographer December 1997
VIEW OF UNDERSIDE OF SAN FRANCISCO VIADUCT BETWEEN
FOURTH AND THIRD STREETS, FACING NORTHEAST.
- CA-32-100 Dennis Hill, Photographer July 1998
VIEW OF SAN FRANCISCO VIADUCT AT TRANSITION TO FIFTH
STREET WITH 1950'S MODIFICATION (RIGHT AND LEFT), FACING
SOUTHWEST.
- CA-32-101 Dennis Hill, Photographer December 1997
VIEW OF SAN FRANCISCO VIADUCT WITH 1950'S MODIFICATION IN
FOREGROUND, BETWEEN FOURTH AND THIRD STREETS, FACING
EAST.
- CA-32-102 Dennis Hill, Photographer December 1997
VIEW OF 1950'S MODIFICATION IN FOREGROUND AND SAN
FRANCISCO VIADUCT IN BACKGROUND, FROM NEAR THIRD STREET,
FACING WEST.
- CA-32-103 Frank Deras Jr., Photographer May 1998
AERIAL VIEW OF SAN FRANCISCO VIADUCT AND 1950'S
MODIFICATION AT TRANSITION FROM DOUBLE DECK HIGHWAY,
BETWEEN THIRD AND SECOND STREETS, FACING NORTHWEST.
- CA-32-104 Dennis Hill, Photographer December 1997
VIEW OF SAN FRANCISCO VIADUCT IN BACKGROUND AND 1950'S
MODIFICATION IN FOREGROUND, NEAR THIRD STREET, FACING
WEST.
- CA-32-105 Frank Deras Jr., Photographer December 1997
VIEW OF SAN FRANCISCO VIADUCT AT INTERSECTION OF 1950'S
MODIFICATION, FACING EAST FROM THIRD STREET.
- CA-32-106 Frank Deras Jr., Photographer December 1997
VIEW OF SAN FRANCISCO VIADUCT (ABOVE) AND 1950'S
MODIFICATION (BELOW), BETWEEN THIRD AND SECOND STREETS,
FACING WEST.

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
HAER No. CA-32
INDEX TO PHOTOGRAPHS (page 14)

- CA-32-107 Dennis Hill, Photographer December 1997
VIEW OF SAN FRANCISCO VIADUCT AT UPPER DECK AND 1950'S
MODIFICATION AT LOWER DECK, BETWEEN THIRD AND SECOND
STREETS, FACING NORTH.
- CA-32-108 Dennis Hill, Photographer December 1997
VIEW OF SAN FRANCISCO VIADUCT SHOWING 1950'S MODIFICATION
MADE TO ACCOMMODATE NEW HIGHWAY, BETWEEN THIRD AND
SECOND STREETS, FACING WEST.
- CA-32-109 Frank Deras Jr., Photographer December 1997
VIEW OF SAN FRANCISCO VIADUCT UPPER DECK AND 1950'S LOWER
DECK MODIFICATION WITH CLOCK TOWER IN BACKGROUND,
BETWEEN THIRD AND SECOND STREETS, FACING NORTH.
- CA-32-110 Frank Deras Jr., Photographer April 1999
VIEW OF SAN FRANCISCO VIADUCT WITH 1950'S MODIFICATION AT
SECOND STREET, FACING NORTHWEST.
- CA-32-111 Frank Deras Jr., Photographer April 1998
VIEW OF SAN FRANCISCO VIADUCT WITH BUS RAMP TO TRANSBAY
TERMINAL BUS LOOP IN FOREGROUND, NEAR SECOND STREET,
FACING SOUTH.
- CA-32-112 Dennis Hill, Photographer January 1998
VIEW OF SAN FRANCISCO VIADUCT (RIGHT), UPPER DECK OFF-RAMP
(LEFT), AND LOWER DECK ON-RAMP FROM TRANSBAY TERMINAL
BUS LOOP, FACING NORTHEAST.
- CA-32-113 Dennis Hill, Photographer January 1998
VIEW OF UPPER DECK OFF-RAMP WITH LOWER DECK ON-RAMP
FROM TRANSBAY TERMINAL BUS LOOP IN FOREGROUND, FACING
WEST-NORTHWEST.
- CA-32-114 Dennis Hill, Photographer April 1998
VIEW OF UPPER DECK OFF-RAMP AND LOWER DECK ON-RAMP FROM
TRANSBAY TERMINAL BUS LOOP, WITH SAN FRANCISCO VIADUCT
IN BACKGROUND AT RIGHT, FACING EAST.

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
HAER No. CA-32
INDEX TO PHOTOGRAPHS (page 15)

- CA-32-115 Dennis Hill, Photographer April 1998
VIEW OF UPPER DECK OFF-RAMP CROSSING HARRISON STREET,
FACING SOUTH.
- CA-32-116 Frank Deras Jr., Photographer April 1998
VIEW OF UPPER DECK OFF-RAMP, WITH LOWER DECK ON-RAMP
FROM TRANSBAY TERMINAL BUS LOOP IN FOREGROUND, FACING
NORTHWEST.
- CA-32-117 Dennis Hill, Photographer April 1998
VIEW UP ESSEX STREET AT UPPER DECK OFF-RAMP, FACING
NORTHWEST.
- CA-32-118 Dennis Hill, Photographer April 1998
VIEW OF UPPER DECK OFF-RAMP AND REMNANT STUB TO
DEMOLISHED EMBARCADERO FREEWAY, FACING SOUTH.
- CA-32-119 Dennis Hill, Photographer January 1998
VIEW OF UNDERSIDE OF UPPER DECK OFF-RAMP AND TRANSBAY
TERMINAL BUS LOOP NEAR FOLSOM STREET, FACING SOUTHEAST.
- CA-32-120 Frank Deras Jr., Photographer April 1999
VIEW OF UNDERSIDE OF UPPER DECK OFF-RAMP AND TRANSBAY
TERMINAL BUS LOOP NEAR FOLSOM STREET, FACING NORTHWEST.
- CA-32-121 Dennis Hill, Photographer April 1998
ELEVATION VIEW OF UPPER DECK OFF-RAMP AND TRANSBAY
TERMINAL BUS LOOP, CROSSING OVER FOLSOM STREET AT RIGHT,
FACING SOUTHWEST.
- CA-32-122 Dennis Hill, Photographer January 1998
VIEW OF UPPER DECK OFF-RAMP AND TRANSBAY TERMINAL BUS
LOOP, SOUTHWEST OF FIRST STREET, FACING NORTHEAST.
- CA-32-123 Dennis Hill, Photographer January 1998
VIEW OF UPPER DECK OFF-RAMP DESCENDING TO FREMONT
STREET, WITH TRANSBAY TERMINAL BUS LOOP BEHIND, FACING
NORTH.

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
HAER No. CA-32
INDEX TO PHOTOGRAPHS (page 16)

- CA-32-124 Dennis Hill, Photographer April 1998
VIEW OF TRANSBAY TERMINAL BUS LOOP CROSSING OVER
FREMONT STREET, FACING NORTHWEST.
- CA-32-125 Dennis Hill, Photographer January 1998
VIEW OF TRANSBAY TERMINAL BUS LOOP CROSSING OVER BEALE
STREET BETWEEN FOLSOM AND HOWARD STREETS, FACING
NORTHWEST.
- CA-32-126 Dennis Hill, Photographer January 1998
DETAIL VIEW OF SUPPORT STRUCTURE FOR TRANSBAY TERMINAL
BUS LOOP CROSSING OVER BEALE STREET, FACING WEST.
- CA-32-127 Dennis Hill, Photographer April 1998
DETAIL VIEW OF TRANSBAY TERMINAL BUS LOOP CROSSING OVER
HOWARD STREET NORTHEAST OF BEALE STREET, FACING WEST.
- CA-32-128 Dennis Hill, Photographer January 1998
VIEW OF UNDERSIDE OF TRANSBAY TERMINAL BUS LOOP CROSSING
OVER HOWARD STREET NORTHEAST OF BEALE STREET, FACING
NORTHWEST.
- CA-32-129 Dennis Hill, Photographer January 1998
VIEW OF TRANSBAY TERMINAL BUS LOOP FROM HOWARD STREET
NORTHEAST OF BEALE STREET, FACING NORTHWEST.
- CA-32-130 Dennis Hill, Photographer April 1998
VIEW AT RAMP LEVEL INTO TRANSBAY TERMINAL, FACING WEST.
- CA-32-131 Dennis Hill, Photographer April 1998
VIEW AT RAMP LEVEL INTO TRANSBAY TERMINAL, FACING
NORTHEAST.
- CA-32-132 Dennis Hill, Photographer January 1998
VIEW OF TRANSBAY TERMINAL BUS LOOP FROM NATOMA STREET
BETWEEN FIRST AND SECOND STREETS, FACING SOUTHEAST.
- CA-32-133 Dennis Hill, Photographer January 1998
VIEW OF TRANSBAY TERMINAL BUS LOOP FROM HOWARD STREET
BETWEEN FIRST AND SECOND STREETS, FACING EAST.

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
HAER No. CA-32
INDEX TO PHOTOGRAPHS (page 17)

- CA-32-134 Dennis Hill, Photographer April 1998
VIEW OF TRANSBAY TERMINAL BUS LOOP NEAR SPLIT, WITH
SUSPENSION BRIDGE IN DISTANT BACKGROUND, FACING EAST.
- CA-32-135 Dennis Hill, Photographer December 1997
VIEW OF TRANSBAY TERMINAL BUS LOOP AT SPLIT, FACING
SOUTHEAST.
- CA-32-136 Dennis Hill, Photographer January 1998
VIEW OF TRANSBAY TERMINAL BUS LOOP AT SPLIT (FROM GROUND
LEVEL), FACING SOUTH-SOUTHEAST.
- CA-32-137 Dennis Hill, Photographer April 1998
VIEW OF TRANSBAY TERMINAL BUS LOOP AT SPLIT, FACING NORTH.
- CA-32-138 Frank Deras Jr., Photographer April 1998
ELEVATION VIEW OF TRANSBAY TERMINAL BUS LOOP CROSSING
OVER FOLSOM STREET, FACING NORTHEAST.
- CA-32-139 Dennis Hill, Photographer January 1998
ELEVATION VIEW OF TRANSBAY TERMINAL BUS LOOP CROSSING
OVER HARRISON STREET, FACING NORTHEAST.
- CA-32-140 Dennis Hill, Photographer June 1998
AERIAL VIEW OF LOWER DECK ON-RAMP FROM FIRST AND ESSEX
STREETS AND UPPER DECK OF SAN FRANCISCO VIADUCT, FACING
EAST.
- CA-32-141 Dennis Hill, Photographer January 1998
VIEW OF SAN FRANCISCO VIADUCT AND LOWER DECK ON-RAMP
FROM FIRST AND ESSEX STREETS, FACING EAST.
- CA-32-142 Dennis Hill, Photographer May 1998
DETAIL VIEW OF UPPER DECK TURN-OUT ABOVE LOWER DECK
ON-RAMP FROM FIRST AND ESSEX STREETS, FACING SOUTHWEST.
- CA-32-143 Frank Deras Jr., Photographer April 1999
VIEW OF SAN FRANCISCO VIADUCT (LEFT) AND UPPER DECK
OFF-RAMP TO FREMONT STREET (RIGHT), FACING NORTH.

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
HAER No. CA-32
INDEX TO PHOTOGRAPHS (page 18)

- CA-32-144 Dennis Hill, Photographer January 1997
VIEW OF UPPER DECK OFF-RAMP TO FREMONT STREET, FACING
NORTH.
- CA-32-145 Dennis Hill, Photographer December 1997
DETAIL VIEW OF SOUTH END OF UPPER DECK OFF-RAMP TO
FREMONT STREET, FACING NORTH.
- CA-32-146 Dennis Hill, Photographer January 1998
DETAIL VIEW OF NORTH END OF UPPER DECK OFF-RAMP TO
FREMONT STREET, FACING NORTH.
- CA-32-147 Dennis Hill, Photographer April 1998
VIEW OF SAN FRANCISCO VIADUCT CROSSING OVER UPPER DECK
OFF-RAMP TO FREMONT STREET, FACING SOUTH.
- CA-32-148 Dennis Hill, Photographer December 1997
DETAIL VIEW OF SAN FRANCISCO VIADUCT CROSSING OVER UPPER
DECK OFF-RAMP TO FREMONT STREET, SHOWING STRUCTURAL
UPGRADES MADE DURING 1950'S MODIFICATION, FACING SOUTH.
- CA-32-149 Frank Deras Jr., Photographer April 1998
VIEW OF SAN FRANCISCO ANCHORAGE, NORTH SIDE, FACING
SOUTH.
- CA-32-150 Dennis Hill, Photographer July 1998
VIEW OF SAN FRANCISCO ANCHORAGE AT UPPER DECK, FACING
WEST.
- CA-32-151 Dennis Hill, Photographer June 1998
VIEW OF SAN FRANCISCO ANCHORAGE AT LOWER DECK, FACING
SOUTH.
- CA-32-152 Frank Deras Jr., Photographer April 1998
DETAIL VIEW OF SAN FRANCISCO ANCHORAGE, FACING
SOUTHWEST.
- CA-32-153 Frank Deras Jr., Photographer April 1998
DETAIL VIEW OF SAN FRANCISCO ANCHORAGE AND UNDERSIDE OF
CONTINUOUS SPANS, FACING SOUTHWEST.

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
HAER No. CA-32
INDEX TO PHOTOGRAPHS (page 19)

- CA-32-154 Dennis Hill, Photographer April 1998
DETAIL VIEW OF ENTRY DOOR TO SAN FRANCISCO ANCHORAGE AT
BEALE STREET, FACING SOUTHWEST.
- CA-32-155 Frank Deras Jr., Photographer December 1997
DETAIL VIEW OF INTERIOR OF SAN FRANCISCO ANCHORAGE FROM
UPPER LEVEL MEZZANINE, FACING NORTHEAST.
- CA-32-156 Frank Deras Jr., Photographer December 1997
DETAIL VIEW OF STRAND SHOE AND EYE BAR AT SAN FRANCISCO
ANCHORAGE (HUMAN SCALE: TERRY COSTA, CALTRANS
EMPLOYEE), FACING SOUTHEAST.
- CA-32-157 Frank Deras Jr., Photographer December 1997
DETAIL VIEW OF CABLE SHOE AT SAN FRANCISCO ANCHORAGE,
FACING SOUTHEAST.
- CA-32-158 Dennis Hill, Photographer June 1998
VIEW DOWN BEALE STREET TOWARD HARRISON STREET BRIDGE,
WITH SAN FRANCISCO ANCHORAGE AND CONTINUOUS SPAN IN
BACKGROUND, FACING SOUTHEAST.
- CA-32-159 Dennis Hill, Photographer May 1998
DETAIL VIEW OF TRANSITION BETWEEN SAN FRANCISCO
ANCHORAGE AND CONTINUOUS SPANS AT UPPER DECK, FACING
WEST.
- CA-32-160 Dennis Hill, Photographer June 1998
VIEW OF CONTINUOUS SPANS AND SUSPENSION CABLES, NORTH
SIDE, WITH PAINT BUILDING IN FOREGROUND, FACING EAST.
- CA-32-161 Dennis Hill, Photographer May 1998
VIEW OF SAN FRANCISCO PAINT BUILDING, FACING NORTHWEST.
- CA-32-162 Dennis Hill, Photographer April 1998
VIEW OF CONTINUOUS SPANS AT PIERS A AND B, SOUTH SIDE,
FACING NORTHWEST.

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
HAER No. CA-32
INDEX TO PHOTOGRAPHS (page 20)

- CA-32-163 Dennis Hill, Photographer April 1998
VIEW OF UNDERSIDE OF CONTINUOUS SPANS BETWEEN PIER B AND
PIER W-1, FACING NORTHEAST.
- CA-32-164 Frank Deras Jr., Photographer April 1998
DETAIL VIEW OF CONTINUOUS SPANS AT PIER A CONNECTION,
FACING WEST.
- CA-32-165 Dennis Hill, Photographer June 1998
DETAIL VIEW OF SUSPENSION CABLE PASSING THROUGH UPPER
AND LOWER DECK, FACING NORTHEAST.
- CA-32-166 Dennis Hill, Photographer June 1998
DETAIL VIEW OF SUSPENSION CABLE PASSING THROUGH UPPER
DECK, FACING NORTHEAST.
- CA-32-167 Dennis Hill, Photographer June 1998
DETAIL VIEW OF SUSPENSION CABLE PASSING BY LOWER DECK,
FACING SOUTHWEST.
- CA-32-168 Frank Deras Jr., Photographer May 1998
AERIAL VIEW OF CONTINUOUS SPANS, PIER W-1, AND SUSPENSION
BRIDGE, SOUTH SIDE, FACING WEST.
- CA-32-169 Frank Deras Jr., Photographer May 1998
VIEW OF PIER W-1 AND UNDERSIDE OF SUSPENSION BRIDGE, FACING
SOUTHWEST.
- CA-32-170 Dennis Hill, Photographer May 1998
VIEW OF PIER W-1 AND UNDERSIDE OF CONTINUOUS SPANS, FACING
NORTHEAST.
- CA-32-171 Frank Deras Jr., Photographer May 1998
DETAIL VIEW OF SAN FRANCISCO CABLE BENT AT PIER W-1 UPPER
DECK ROADWAY, FACING SOUTHEAST.
- CA-32-172 Frank Deras Jr., Photographer April 1999
AERIAL VIEW OF SUSPENSION BRIDGE, NORTH SIDE, WITH YERBA
BUENA ISLAND IN BACKGROUND, FACING EAST.

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
HAER No. CA-32
INDEX TO PHOTOGRAPHS (page 21)

- CA-32-173 Frank Deras Jr., Photographer May 1998
AERIAL VIEW OF CENTER ANCHORAGE AND SUSPENSION BRIDGE,
SOUTH SIDE, WITH MARIN COUNTY AND ANGEL ISLAND IN
BACKGROUND, FACING NORTHWEST.
- CA-32-174 Frank Deras Jr., Photographer May 1998
AERIAL VIEW OF SUSPENSION BRIDGE AND YERBA BUENA ISLAND,
SOUTH SIDE, FACING NORTHWEST.
- CA-32-175 Frank Deras Jr., Photographer May 1998
AERIAL ELEVATION VIEW OF TOWER W-2, FACING NORTHWEST.
- CA-32-176 Frank Deras Jr., Photographer May 1998
AERIAL VIEW OF SUSPENSION BRIDGE, SOUTH SIDE, FACING NORTH-
NORTHWEST.
- CA-32-177 Frank Deras Jr., Photographer May 1998
VIEW OF SUSPENSION BRIDGE FROM CENTER ANCHORAGE TO
YERBA BUENA ISLAND, SOUTH SIDE, FACING NORTH.
- CA-32-178 Frank Deras Jr., Photographer May 1998
AERIAL VIEW OF SUSPENSION BRIDGE STIFFENING TRUSS, YERBA
BUENA ANCHORAGE, AND YERBA BUENA TUNNEL, FACING NORTH.
- CA-32-179 Dennis Hill, Photographer June 1998
AERIAL ELEVATION VIEW OF SUSPENSION BRIDGE STIFFENING
TRUSS AND TOWER W-2, FACING NORTHWEST.
- CA-32-180 Frank Deras Jr., Photographer June 1998
AERIAL ELEVATION VIEW OF SUSPENSION BRIDGE AT CABLE
VALLEY WITH SAN FRANCISCO IN BACKGROUND, FACING WEST-
NORTHWEST.
- CA-32-181 Frank Deras Jr., Photographer May 1998
VIEW ALONG UPPER DECK OF SUSPENSION BRIDGE, FACING TOWER,
LOOKING SOUTHWEST.
- CA-32-182 Frank Deras Jr., Photographer May 1998
VIEW ALONG UPPER DECK OF SUSPENSION BRIDGE FROM CABLE
VALLEY, FACING SOUTHWEST.

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
HAER No. CA-32
INDEX TO PHOTOGRAPHS (page 22)

- CA-32-183 Dennis Hill, Photographer May 1998
DETAIL VIEW OF SUSPENDER BRACKET, FACING WEST-NORTHWEST.
- CA-32-184 Dennis Hill, Photographer June 1998
DETAIL VIEW OF UPPER DECK EXPANSION JOINT AT PIER W-2,
FACING WEST-SOUTHWEST.
- CA-32-185 Dennis Hill, Photographer April 1998
VIEW ALONG LOWER DECK OF SUSPENSION BRIDGE, FACING
NORTHEAST.
- CA-32-186 Frank Deras Jr., Photographer July 1998
AERIAL VIEW OF TOWER W-3 AND GALLERY, FACING WEST.
- CA-32-187 Frank Deras Jr., Photographer April 1998
VIEW OF SUSPENSION BRIDGE AT TOWER, SOUTH SIDE, FACING
WEST.
- CA-32-188 Frank Deras Jr., Photographer April 1998
VIEW OF SUSPENSION BRIDGE, SOUTH SIDE, WITH SAN FRANCISCO
IN BACKGROUND, FACING WEST.
- CA-32-189 Frank Deras Jr., Photographer April 1998
VIEW OF SUSPENSION BRIDGE, SOUTH SIDE, WITH YERBA BUENA
ISLAND IN BACKGROUND, FACING NORTH.
- CA-32-190 Frank Deras Jr., Photographer June 1998
VIEW OF UNDERSIDE OF SUSPENSION BRIDGE WITH PIER W-2 IN
BACKGROUND, FACING SOUTHWEST.
- CA-32-191 Frank Deras Jr., Photographer June 1998
VIEW OF UNDERSIDE OF SUSPENSION BRIDGE WITH PIER W-3 IN
BACKGROUND, FACING NORTHEAST.
- CA-32-192 Frank Deras Jr., Photographer June 1998
VIEW FROM UNDERSIDE OF SUSPENSION BRIDGE AT CENTER
ANCHORAGE, FACING SOUTHWEST.

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
HAER No. CA-32
INDEX TO PHOTOGRAPHS (page 23)

- CA-32-193 Dennis Hill, Photographer April 1998
VIEW OF UNDERSIDE OF SUSPENSION BRIDGE FROM YERBA BUENA
ANCHORAGE, FACING SOUTHWEST.
- CA-32-194 Dennis Hill, Photographer June 1998
DETAIL VIEW OF UNDERSIDE OF LOWER DECK AT SUSPENSION
BRIDGE, FACING NORTHEAST.
- CA-32-195 Frank Deras Jr., Photographer April 1998
VIEW OF SUSPENSION BRIDGE FROM BELOW AT TOWER, SOUTH
SIDE, FACING WEST.
- CA-32-196 Frank Deras Jr., Photographer July 1998
VIEW OF BASE OF TOWER AT PIER W-3 AND UNDERSIDE OF
SUSPENSION BRIDGE, FACING SOUTHWEST.
- CA-32-197 Frank Deras Jr., Photographer July 1998
VIEW OF BASE OF TOWER AT PIER W-5, FACING SOUTHWEST.
- CA-32-198 Frank Deras Jr., Photographer July 1998
DETAIL VIEW OF BASE OF TOWER AT PIER W-6, FACING
NORTHWEST.
- CA-32-199 Frank Deras Jr., Photographer July 1998
DETAIL VIEW OF ANCHOR BOLTS AT BASE OF TOWER AT PIER W-6,
FACING SOUTH.
- CA-32-200 Frank Deras Jr., Photographer July 1998
DETAIL VIEW OF FOG HORN AT BASE OF TOWER AT PIER W-6,
FACING NORTHWEST.
- CA-32-201 Frank Deras Jr., Photographer May 1998
ELEVATION VIEW OF CENTER ANCHORAGE, SOUTH SIDE, FACING
NORTHWEST.
- CA-32-202 Frank Deras Jr., Photographer April 1998
OBLIQUE VIEW OF CENTER ANCHORAGE, SOUTH SIDE, FACING
WEST.

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
HAER No. CA-32
INDEX TO PHOTOGRAPHS (page 24)

- CA-32-203 Dennis Hill, Photographer May 1998
VIEW OF LOWER DECK AT CENTER ANCHORAGE, FACING
NORTHEAST.
- CA-32-204 Frank Deras Jr., Photographer June 1998
DETAIL VIEW OF SIGNAL BELL ON CENTER ANCHORAGE WITH
UNDERSIDE OF SUSPENSION BRIDGE AND SAN FRANCISCO IN
BACKGROUND, FACING SOUTHWEST.
- CA-32-205 Frank Deras Jr., Photographer June 1998
DETAIL VIEW OF SIGNAL BELL AT BASE OF TOWER AT CENTER
ANCHORAGE, FACING WEST.
- CA-32-206 Frank Deras Jr., Photographer June 1998
DETAIL VIEW OF WIND ANCHORAGE AT CENTER ANCHORAGE,
FACING NORTHWEST.
- CA-32-207 Frank Deras Jr., Photographer June 1998
DETAIL VIEW OF CENTER ANCHORAGE IN CABLE SHROUD, FACING
SOUTHWEST.
- CA-32-208 Frank Deras Jr., Photographer June 1998
DETAIL VIEW OF SPLAY CASTING AT CENTER ANCHORAGE, FACING
NORTHEAST.
- CA-32-209 Dennis Hill, Photographer April 1998
VIEW OF UNDERSIDE OF SUSPENSION BRIDGE AT YERBA BUENA
ANCHORAGE, FACING EAST.
- CA-32-210 Frank Deras Jr., Photographer May 1998
VIEW OF LOWER DECK AT YERBA BUENA ANCHORAGE, FACING
SOUTHWEST.
- CA-32-211 Dennis Hill, Photographer July 1998
VIEW OF CABLE SADDLE CASTING AT YERBA BUENA ANCHORAGE,
FACING WEST.
- CA-32-212 Dennis Hill, Photographer April 1998
VIEW OF YERBA BUENA CABLE BENT AT LOWER DECK, FACING
SOUTHEAST.

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
HAER No. CA-32
INDEX TO PHOTOGRAPHS (page 25)

- CA-32-213 Frank Deras Jr., Photographer May 1998
DETAIL VIEW OF ROCKER ARM IN YERBA BUENA ANCHORAGE,
NORTHWEST CORNER (HUMAN SCALE: CHUCK HAZELWOOD,
CALTRANS EMPLOYEE), FACING WEST.
- CA-32-214 Frank Deras Jr., Photographer May 1998
DETAIL VIEW OF STRAND SHOES, EYE BARS, AND CONCRETE
ABUTMENT IN YERBA BUENA ANCHORAGE, FACING SOUTHEAST.
- CA-32-215 Dennis Hill, Photographer May 1998
DETAIL VIEW OF STRAND SHOES AND STORM CABLE EYE BARS IN
YERBA BUENA ANCHORAGE, FACING EAST.
- CA-32-216 Frank Deras Jr., Photographer May 1998
VIEW OF YERBA BUENA WEST VIADUCT, NORTH SIDE, FACING EAST.
- CA-32-217 Dennis Hill, Photographer April 1998
VIEW ALONG LOWER DECK OF SUSPENSION BRIDGE AT YERBA
BUENA ISLAND, TREASURE ISLAND OFF-RAMP, FACING NORTH.
- CA-32-218 Dennis Hill, Photographer April 1998
VIEW ALONG YERBA BUENA WEST VIADUCT LOWER DECK AT
OFF-RAMP AND WEST TUNNEL PORTAL, FACING NORTHEAST.
- CA-32-219 Dennis Hill, Photographer May 1998
VIEW ALONG YERBA BUENA TUNNEL AT LOWER DECK, FACING
NORTHEAST.
- CA-32-220 Dennis Hill, Photographer July 1998
ELEVATION VIEW OF WEST TUNNEL PORTAL, FACING NORTHEAST.
- CA-32-221 Dennis Hill, Photographer May 1998
VIEW OF WEST TUNNEL PORTAL AND LOWER DECK OFF-RAMP,
FACING NORTHEAST.
- CA-32-222 Dennis Hill, Photographer April 1998
VIEW OF YERBA BUENA LOWER DECK OFF-RAMP WITH UPPER DECK
ON-RAMP AND WEST PORTAL IN BACKGROUND, FACING EAST.

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
HAER No. CA-32
INDEX TO PHOTOGRAPHS (page 26)

- CA-32-223 Dennis Hill, Photographer April 1998
DETAIL VIEW OF COLUMN SUPPORTING UPPER DECK ON-RAMP,
FACING NORTHEAST.
- CA-32-224 Dennis Hill, Photographer April 1998
DETAIL VIEW OF ON-RAMP COLUMN BASE PLATE, FACING
NORTHEAST.
- CA-32-225 Frank Deras Jr., Photographer May 1998
AERIAL VIEW OF YERBA BUENA EAST TUNNEL PORTAL AND
VIADUCT, FACING SOUTH.
- CA-32-226 Dennis Hill, Photographer May 1998
ELEVATION VIEW OF EAST TUNNEL PORTAL, FACING SOUTHWEST.
- CA-32-227 Dennis Hill, Photographer May 1998
VIEW OF YERBA BUENA EAST VIADUCT, NORTH SIDE, FACING EAST.
- CA-32-228 Dennis Hill, Photographer April 1998
VIEW OF YERBA BUENA EAST VIADUCT, SOUTH SIDE, AT LOWER
DECK OFF-RAMP (LEFT) AND ON-RAMP (RIGHT), FACING NORTH-
NORTHWEST.
- CA-32-229 Dennis Hill, Photographer July 1998
VIEW ALONG YERBA BUENA EAST VIADUCT AND TUNNEL AT
LOWER DECK, FACING SOUTH-SOUTHWEST.
- CA-32-230 Dennis Hill, Photographer June 1998
DETAIL VIEW OF UNDERSIDE OF UPPER DECK, YERBA BUENA EAST
VIADUCT, FACING SOUTHEAST.
- CA-32-231 Dennis Hill, Photographer April 1998
ELEVATION VIEW OF YERBA BUENA EAST VIADUCT, SOUTH SIDE,
WITH LOWER DECK ON-RAMP (LEFT) AND VIADUCT CROSSING OVER
LOCAL STREET (RIGHT), FACING NORTHWEST.
- CA-32-232 Dennis Hill, Photographer April 1998
VIEW OF YERBA BUENA EAST VIADUCT, SOUTH SIDE, AT CROSSING
OVER LOCAL STREET, FACING NORTH-NORTHWEST.

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
HAER No. CA-32
INDEX TO PHOTOGRAPHS (page 27)

- CA-32-233 Dennis Hill, Photographer April 1998
VIEW OF LOWER DECK AND KEY SYSTEM STATION CANOPY, YERBA
BUENA EAST VIADUCT, FACING NORTHEAST.
- CA-32-234 Dennis Hill, Photographer July 1998
VIEW OF BUS STOP, UPPER DECK OF YERBA BUENA EAST VIADUCT,
FACING WEST.
- CA-32-235 Frank Deras Jr., Photographer April 1998
ELEVATION VIEW OF DECK TRUSS BETWEEN CANTILEVER BRIDGE
AND YERBA BUENA EAST VIADUCT, FACING NORTHWEST.
- CA-32-236 Frank Deras Jr., Photographer May 1998
AERIAL VIEW OF DECK TRUSS AT YERBA BUENA ISLAND, SOUTH
SIDE, WITH TREASURE ISLAND IN BACKGROUND, FACING NORTH-
NORTHWEST.
- CA-32-237 Dennis Hill, Photographer April 1998
ELEVATION VIEW OF DECK TRUSS AND YERBA BUENA EAST
VIADUCT CONNECTION AT PIER YB-1, SOUTH SIDE, FACING
NORTHWEST.
- CA-32-238 Frank Deras Jr., Photographer May 1998
AERIAL VIEW OF DECK TRUSS AT YERBA BUENA ISLAND, SOUTH
SIDE, WITH TREASURE ISLAND IN BACKGROUND, FACING
NORTHWEST.
- CA-32-239 Frank Deras Jr., Photographer July 1998
ELEVATION VIEW OF DECK TRUSS AT PIERS YB-3 AND YB-4, SOUTH
SIDE, FACING NORTHWEST.
- CA-32-240 Dennis Hill, Photographer May 1998
VIEW ALONG LOWER DECK OF DECK TRUSS AT YERBA BUENA
ISLAND, FACING NORTH.
- CA-32-241 Frank Deras Jr., Photographer May 1998
DETAIL VIEW OF UPPER DECK FLOOR BEAM TO TRUSS CONNECTION,
FACING NORTH.

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
HAER No. CA-32
INDEX TO PHOTOGRAPHS (page 28)

- CA-32-242 Dennis Hill, Photographer April 1998
VIEW OF DECK TRUSS FROM NAVAL TRAINING STATION,
QUARTERS 1, FACING SOUTHEAST.
- CA-32-243 Dennis Hill, Photographer April 1998
VIEW OF DECK TRUSS FROM FRONT OF NAVAL TRAINING STATION,
QUARTERS 1, FACING EAST.
- CA-32-244 Dennis Hill, Photographer May 1998
VIEW OF UNDERSIDE OF DECK TRUSS AT PIER YB-2, FACING SOUTH.
- CA-32-245 Dennis Hill, Photographer April 1998
VIEW OF UNDERSIDE OF DECK TRUSS AT PIER YB-3, FACING
NORTHEAST.
- CA-32-246 Dennis Hill, Photographer April 1998
VIEW OF DECK TRUSS AT PIER YB-3, SOUTH SIDE, FACING NORTH-
NORTHWEST.
- CA-32-247 Dennis Hill, Photographer April 1998
VIEW OF DECK TRUSS AT PIER YB-3, SOUTH SIDE, FACING NORTH.
- CA-32-248 Frank Deras Jr., Photographer May 1998
DETAIL VIEW OF BASE OF TOWER AT PIER YB-3, FACING
SOUTHWEST.
- CA-32-249 Frank Deras Jr., Photographer April 1998
VIEW OF CANTILEVER TRUSS AND DECK TRUSS, SOUTH SIDE,
FACING WEST.
- CA-32-250 Frank Deras Jr., Photographer July 1998
AERIAL VIEW OF CANTILEVER TRUSS, SOUTH SIDE, WITH YERBA
BUENA ISLAND IN FOREGROUND, FACING NORTHEAST.
- CA-32-251 Frank Deras Jr., Photographer May 1998
VIEW OF CANTILEVER TRUSS, SOUTH SIDE, FACING NORTH-
NORTHEAST.
- CA-32-252 Frank Deras Jr., Photographer April 1998
VIEW OF CANTILEVER TRUSS FROM BELOW, FACING NORTHEAST.

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
HAER No. CA-32
INDEX TO PHOTOGRAPHS (page 29)

- CA-32-253 Frank Deras Jr., Photographer July 1998
VIEW OF DECK TRUSS AND CANTILEVER TRUSS FROM YERBA
BUENA ISLAND TO OAKLAND, SOUTH SIDE (1 OF 3 PANORAMA),
FACING NORTH-NORTHWEST.
- CA-32-254 Frank Deras Jr., Photographer July 1998
VIEW OF CANTILEVER TRUSS, THROUGH TRUSS, AND DECK TRUSS
SPANS FROM YERBA BUENA ISLAND TO OAKLAND, SOUTH SIDE (2
OF 3 PANORAMA), FACING NORTH.
- CA-32-255 Frank Deras Jr., Photographer July 1998
VIEW OF THROUGH TRUSS, DECK TRUSS, AND GIRDER SPANS FROM
YERBA BUENA ISLAND TO OAKLAND, SOUTH SIDE (3 OF 3
PANORAMA), FACING NORTH.
- CA-32-256 Frank Deras Jr., Photographer April 1998
VIEW OF CANTILEVER TRUSS AND DECK TRUSS AT PIER E-1, SOUTH
SIDE, FACING WEST.
- CA-32-257 Frank Deras Jr., Photographer June 1998
AERIAL VIEW OF CANTILEVER TRUSS AND DECK TRUSS AT PIER E-1,
NORTH SIDE, FACING SOUTHEAST.
- CA-32-258 Dennis Hill, Photographer April 1998
VIEW OF CANTILEVER TRUSS ANCHOR ARM AT PIERS E-1 AND E-2,
SOUTH SIDE, FACING NORTH.
- CA-32-259 Frank Deras Jr., Photographer April 1998
VIEW OF CANTILEVER TRUSS AT PIERS E-1 AND E-2, SOUTH SIDE,
FACING WEST.
- CA-32-260 Dennis Hill, Photographer April 1998
VIEW OF PIER E-2 FROM TORPEDO ASSEMBLY BUILDING, FACING
SOUTHEAST.
- CA-32-261 Frank Deras Jr., Photographer July 1998
VIEW OF CANTILEVER TRUSS AT PIER E-2, SOUTH SIDE, FACING
NORTH.

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
HAER No. CA-32
INDEX TO PHOTOGRAPHS (page 30)

- CA-32-262 Frank Deras Jr., Photographer June 1998
AERIAL VIEW OF CANTILEVER TRUSS CANTILEVER ARM AND
SUSPENDED SPAN, NORTH SIDE, FACING SOUTH.
- CA-32-263 Dennis Hill, Photographer June 1998
VIEW OF CANTILEVER TRUSS FROM UPPER DECK, FACING
SOUTHWEST.
- CA-32-264 Dennis Hill, Photographer May 1998
DETAIL VIEW OF CANTILEVER TRUSS FROM UPPER DECK BETWEEN
PIERS E-3 AND E-4, FACING WEST.
- CA-32-265 Dennis Hill, Photographer April 1998
DETAIL VIEW OF TENSION EYE BARS AT CANTILEVER TRUSS,
FACING SOUTHWEST.
- CA-32-266 Dennis Hill, Photographer June 1998
DETAIL VIEW OF TENSION EYE BARS AND COMPRESSION MEMBERS
ABOVE UPPER DECK, FACING SOUTHEAST.
- CA-32-267 Dennis Hill, Photographer July 1998
DETAIL VIEW OF CANTILEVER TRUSS TOP CHORD WITH LATERAL
BRACING, FACING SOUTHWEST.
- CA-32-268 Dennis Hill, Photographer April 1998
DETAIL VIEW FROM LOWER DECK OF TRUSS VERTICAL AND UPPER
DECK FLOOR BEAM CONNECTION AT PIER E-3, FACING NORTH.
- CA-32-269 Dennis Hill, Photographer May 1998
VIEW OF CANTILEVER TRUSS PORTAL AT PIER E-4, FACING WEST.
- CA-32-270 Dennis Hill, Photographer June 1998
VIEW OF UNDERSIDE OF CANTILEVER TRUSS AT PIER E-2, FACING
EAST.
- CA-32-271 Frank Deras Jr., Photographer June 1998
VIEW OF BASE OF TOWER AT PIER E-2, FACING WEST-SOUTHWEST.

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
HAER No. CA-32
INDEX TO PHOTOGRAPHS (page 31)

- CA-32-272 Frank Deras Jr., Photographer April 1998
VIEW OF UNDERSIDE OF CANTILEVER TRUSS TOWARDS PIER E-2
WITH TORPEDO ASSEMBLY BUILDING IN BACKGROUND, FACING
SOUTHWEST.
- CA-32-273 Frank Deras Jr., Photographer June 1998
VIEW OF BASE OF TOWER AT PIER E-3, FACING WEST-SOUTHWEST.
- CA-32-274 Frank Deras Jr., Photographer June 1998
VIEW OF THROUGH TRUSS (LEFT) AND CANTILEVER TRUSS (RIGHT)
AT PIER E-4, NORTH SIDE, FACING SOUTH.
- CA-32-275 Frank Deras Jr., Photographer July 1998
DETAIL VIEW OF BASE OF TOWER WITH FENDER AT PIER E-4,
FACING NORTH-NORTHEAST.
- CA-32-276 Frank Deras Jr., Photographer April 1999
AERIAL VIEW OF EAST BAY CROSSING, SOUTH SIDE, FACING NORTH-
NORTHWEST.
- CA-32-277 Frank Deras Jr., Photographer June 1998
AERIAL VIEW OF THROUGH TRUSS BETWEEN PIERS E-5 AND E-4,
FACING SOUTHWEST.
- CA-32-278 Frank Deras Jr., Photographer April 1999
VIEW OF CANTILEVER TRUSS, THROUGH TRUSS, AND DECK TRUSS
SPANS, SOUTH SIDE, FACING NORTHEAST.
- CA-32-279 Frank Deras Jr., Photographer April 1998
ELEVATION VIEW OF CANTILEVER TRUSS AND THROUGH TRUSS AT
PIERS E-3, E-4, AND E-5, SOUTH SIDE, FACING NORTH-NORTHWEST.
- CA-32-280 Frank Deras Jr., Photographer July 1998
ELEVATION VIEW OF THROUGH TRUSS SPANS, SOUTH SIDE, FACING
NORTH-NORTHWEST.
- CA-32-281 Frank Deras Jr., Photographer July 1998
VIEW OF THROUGH TRUSS SPANS, SOUTH SIDE, FACING WEST-
NORTHWEST.

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
HAER No. CA-32
INDEX TO PHOTOGRAPHS (page 32)

CA-32-282	Frank Deras Jr., Photographer	June 1998
	DETAIL VIEW OF UNDERSIDE OF THROUGH TRUSS, FACING SOUTH-SOUTHEAST.	
CA-32-283	Dennis Hill, Photographer	May 1998
	VIEW OF THROUGH TRUSS AT UPPER DECK, FACING WEST.	
CA-32-284	Frank Deras Jr., Photographer	May 1998
	VIEW OF THROUGH TRUSS FROM LOWER DECK, FACING NORTH-NORTHEAST.	
CA-32-285	Dennis Hill, Photographer	May 1998
	DETAIL VIEW FROM UPPER DECK OF THROUGH TRUSS AND SERVICE LADDER AT PIER E-8, FACING EAST.	
CA-32-286	Dennis Hill, Photographer	May 1998
	DETAIL VIEW FROM UPPER DECK OF THROUGH TRUSS PORTAL AT PIER E-9, FACING SOUTHWEST.	
CA-32-287	Dennis Hill, Photographer	July 1998
	DETAIL VIEW OF UPPER CHORD OF THROUGH TRUSS AT PANEL POINT, FACING NORTHWEST.	
CA-32-288	Dennis Hill, Photographer	May 1998
	DETAIL VIEW FROM UPPER DECK OF THROUGH TRUSS AND SERVICE LADDER, FACING NORTH-NORTHWEST.	
CA-32-289	Dennis Hill, Photographer	July 1998
	DETAIL VIEW OF TRUSS MEMBER CONNECTION ABOVE UPPER DECK, SOUTH SIDE, FACING SOUTHWEST.	
CA-32-290	Dennis Hill, Photographer	May 1998
	VIEW OF THROUGH TRUSS FROM UPPER DECK AT PIER E-9, FACING WEST-SOUTHWEST.	
CA-32-291	Frank Deras Jr., Photographer	July 1998
	VIEW OF THROUGH TRUSS SPANS AND PIER E-5, SOUTH SIDE, FACING NORTH-NORTHEAST.	

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
HAER No. CA-32
INDEX TO PHOTOGRAPHS (page 33)

- CA-32-292 Frank Deras Jr., Photographer July 1998
DETAIL VIEW OF BASE OF TOWER AND FENDER AT PIER E-5, FACING
NORTH-NORTHEAST.
- CA-32-293 Frank Deras Jr., Photographer July 1998
VIEW OF BASE OF TOWER AT PIER E-6, FACING NORTHEAST.
- CA-32-294 Frank Deras Jr., Photographer June 1998
VIEW OF DECK TRUSS AND THROUGH TRUSS SPANS WITH YERBA
BUENA ISLAND IN BACKGROUND, NORTH SIDE, FACING
SOUTHWEST.
- CA-32-295 Frank Deras Jr., Photographer July 1998
ELEVATION VIEW OF THROUGH TRUSS AND DECK TRUSS AT PIER E-
9, SOUTH SIDE, FACING NORTHWEST.
- CA-32-296 Frank Deras Jr., Photographer July 1998
VIEW OF UNDERSIDE OF THROUGH TRUSS AND DECK TRUSS AT PIER
E-9, NORTH SIDE, FACING EAST-SOUTHEAST.
- CA-32-297 Frank Deras Jr., Photographer July 1998
VIEW OF PIER E-9, NORTH SIDE, FACING SOUTH-SOUTHEAST.
- CA-32-298 Frank Deras Jr., Photographer June 1998
ELEVATION VIEW OF PIER E-9, NORTH SIDE, FACING SOUTH-
SOUTHEAST.
- CA-32-299 Frank Deras Jr., Photographer July 1998
DETAIL VIEW OF THROUGH TRUSS AND DECK TRUSS AT PIER E-9,
NORTH SIDE, FACING SOUTH-SOUTHEAST.
- CA-32-300 Frank Deras Jr., Photographer June 1998
VIEW OF THROUGH TRUSS AND DECK TRUSS SPANS AT PIERS E-8
THROUGH E-11, SOUTH SIDE, FACING NORTH-NORTHEAST.
- CA-32-301 Frank Deras Jr., Photographer June 1998
VIEW OF DECK TRUSS SPANS FROM PIER E-12 TO PIER E-23, SOUTH
SIDE, FACING EAST-NORTHEAST.

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
HAER No. CA-32
INDEX TO PHOTOGRAPHS (page 34)

CA-32-302	Frank Deras Jr., Photographer	July 1998
ELEVATION VIEW OF DECK TRUSS, SOUTH SIDE, FACING NORTH.		
CA-32-303	Frank Deras Jr., Photographer	May 1998
VIEW ALONG LOWER DECK AT DECK TRUSS SPANS, FACING NORTHEAST.		
CA-32-304	Dennis Hill, Photographer	May 1998
VIEW ALONG UPPER DECK AT DECK TRUSS SPANS, WITH THROUGH TRUSS SPANS AND YERBA BUENA ISLAND IN BACKGROUND, FACING WEST-SOUTHWEST.		
CA-32-305	Dennis Hill, Photographer	June 1998
DETAIL VIEW OF UPPER DECK GUARDRAIL AT DECK TRUSS SPANS, FACING WEST.		
CA-32-306	Frank Deras Jr., Photographer	June 1998
VIEW OF DECK TRUSS SPANS FROM PIER E-16 TO PIER E-23, NORTH SIDE, FACING EAST.		
CA-32-307	Frank Deras Jr., Photographer	June 1998
VIEW OF DECK TRUSS WITH GIRDER SPANS AND SUBSTATION IN BACKGROUND, SOUTH SIDE, FACING NORTHEAST.		
CA-32-308	Dennis Hill, Photographer	April 1998
VIEW OF DECK TRUSS SPANS WITH THROUGH TRUSS SPANS AND CANTILEVER TRUSS IN BACKGROUND, SOUTH SIDE, FACING WEST.		
CA-32-309	Frank Deras Jr., Photographer	June 1998
VIEW OF PIER E-10, WEST SIDE, FACING EAST-NORTHEAST.		
CA-32-310	Frank Deras Jr., Photographer	June 1998
DETAIL VIEW OF BASE OF TOWER AT PIER E-16, WEST SIDE, FACING EAST-NORTHEAST.		
CA-32-311	Frank Deras Jr., Photographer	June 1998
VIEW OF DECK TRUSS AT PIER E-19, NORTH SIDE, FACING SOUTHEAST.		

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
HAER No. CA-32
INDEX TO PHOTOGRAPHS (page 35)

CA-32-312	Frank Deras Jr., Photographer	July 1998
	VIEW OF DECK TRUSS AT PIER E-22, SOUTH SIDE, FACING NORTH.	
CA-32-313	Frank Deras Jr., Photographer	June 1998
	AERIAL VIEW OF GIRDER SPANS, SOUTH SIDE, FACING NORTHWEST.	
CA-32-314	Frank Deras Jr., Photographer	June 1998
	AERIAL VIEW OF DECK TRUSS AND GIRDER SPANS WITH SUBSTATIONS IN FOREGROUND, FACING NORTH.	
CA-32-315	Dennis Hill, Photographer	May 1998
	VIEW OF GIRDER SPANS AND DECK TRUSS AT PIER E-23, NORTH SIDE, FACING SOUTHWEST.	
CA-32-316	Dennis Hill, Photographer	April 1998
	DETAIL VIEW OF GIRDER SPANS AND DECK TRUSS CONNECTION AT PIER E-23, SOUTH SIDE, FACING NORTH.	
CA-32-317	Dennis Hill, Photographer	June 1998
	DETAIL VIEW OF GIRDER SPANS, DECK TRUSS, AND GUARDRAIL AT PIER E-23, UPPER DECK, FACING WEST.	
CA-32-318	Dennis Hill, Photographer	May 1998
	VIEW OF GIRDER SPANS WITH 1990'S MODIFICATIONS, SOUTH SIDE, FACING WEST.	
CA-32-319	Frank Deras Jr., Photographer	July 1998
	VIEW OF GIRDER SPANS WITH 1990'S MODIFICATIONS AT UNDERCROSSING, SOUTH SIDE, FACING NORTHWEST.	
CA-32-320	Frank Deras Jr., Photographer	June 1998
	DETAIL VIEW OF UNDERSIDE OF GIRDER SPANS WITH 1990'S MODIFICATIONS, SOUTH SIDE, FACING NORTH-NORTHWEST.	
CA-32-321	Dennis Hill, Photographer	May 1998
	ELEVATION VIEW OF GIRDER SPANS WITH 1990'S MODIFICATIONS, SOUTH SIDE, FACING NORTH-NORTHWEST.	

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
HAER No. CA-32
INDEX TO PHOTOGRAPHS (page 36)

- CA-32-322 Dennis Hill, Photographer May 1998
VIEW OF GIRDER SPANS, OAKLAND APPROACH AT TRANSITION TO
DOUBLE-DECK ROADWAY, FACING WEST.
- CA-32-323 Dennis Hill, Photographer July 1998
VIEW OF GIRDER SPANS AT SINGLE DECK ROADWAY, FACING
NORTHWEST.
- CA-32-324 Dennis Hill, Photographer May 1998
DETAIL VIEW OF OAKLAND APPROACH AT PIER E-33, SOUTH SIDE,
FACING NORTH-NORTHWEST.

Photographer numbers CA-32-325 through CA-32-354 are photographic copies of historic photographs. Original prints are located at the Caltrans District 4 Office - Archives, Oakland, California.

- CA-32-325 Clyde Sunderland, Photographer November 9, 1936
AERIAL VIEW OF SUSPENSION BRIDGE TO YERBA BUENA ISLAND
AND BEYOND FROM SAN FRANCISCO.
- CA-32-326 Clyde Sunderland, Photographer November 11, 1936
AERIAL VIEW OF OAKLAND APPROACH TO YERBA BUENA ISLAND
UNDER CONSTRUCTION.
- CA-32-327 Clyde Sunderland, Photographer November 12, 1936
AERIAL VIEW OF SAN FRANCISCO - FIFTH STREET TERMINUS
DURING OPENING CEREMONIES.
- CA-32-328 Caltrans, Photographer March 19, 1936
"WEST BAY". VIEW OF DECK TRUSS, SUSPENSION BRIDGE, AND SAN
FRANCISCO ANCHORAGE UNDER CONSTRUCTION. 6-2075
- CA-32-329 Caltrans, Photographer December 17, 1936
"S.F. APPROACH"; VIEW OF SAN FRANCISCO APPROACH UNDER
CONSTRUCTION. 15-846

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
HAER No. CA-32
INDEX TO PHOTOGRAPHS (page 37)

- CA-32-330 Caltrans, Photographer May 8, 1934
"S.F. ANCHORAGE"; VIEW OF SAN FRANCISCO ANCHORAGE DURING
CONCRETE POURS. 3-460
- CA-32-331 Caltrans, Photographer June 22, 1934
"TOWER #2"; VIEW SHOWING CABLE SADDLE AT TOP OF TOWER #2
UNDER CONSTRUCTION. 6-275
- CA-32-332 Caltrans, Photographer April 4, 1934
"TOWER #2"; VIEW OF TOWER #2 UNDER CONSTRUCTION, SHOWING
HAMMERHEAD CRANE. 6-101
- CA-32-333 Caltrans, Photographer October 15, 1935
"NORTH AND SOUTH CABLES-SPAN ANCHORAGE-W1"; VIEW OF
NORTH CABLES FROM SAN FRANCISCO ANCHORAGE LOOKING
TOWARDS TOWER W-1 UNDER CONSTRUCTION. 6-1443
- CA-32-334 Caltrans, Photographer January 3, 1936
"LIFTING STRUTS-SPAN W1-W2"; DETAIL VIEW OF LIFTING STRUTS -
SPAN W1-W2 UNDER CONSTRUCTION. 6-1725
- CA-32-335 Caltrans, Photographer August 22, 1935
"NORTH CABLE-SPAN W1-W2"; VIEW OF CABLE SPINNING TROLLEY
NORTH CABLE SPAN W1-W2 UNDER CONSTRUCTION. 6-1238
- CA-32-336 Clyde Sunderland, Photographer October 22, 1935
AERIAL VIEW OF CENTER ANCHORAGE UNDER CONSTRUCTION.
- CA-32-337 Caltrans, Photographer October 10, 1935
"NORTH CABLE - CENTER ANCHORAGE"; VIEW OF NORTH CABLE -
CENTER ANCHORAGE. 6-1410
- CA-32-338 Caltrans, Photographer December 5, 1935
"NORTH CABLE - SADDLE W7"; DETAIL VIEW OF NORTH CABLE -
SADDLE W7 DURING CABLE PLACEMENT. 6-1626
- CA-32-339 Caltrans, Photographer January 25, 1935
"NORTH AND SOUTH TUNNEL WALLS"; VIEW OF NORTH AND SOUTH
TUNNEL WALLS WITH PILOT HOLES UNDER CONSTRUCTION. 5-1369

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
HAER No. CA-32
INDEX TO PHOTOGRAPHS (page 38)

- CA-32-340 Caltrans, Photographer October 14, 1935
"TUNNEL - WEST PORTAL"; VIEW OF TUNNEL - WEST PORTAL
UNDER CONSTRUCTION SHOWING EXCAVATION OF TUNNEL AFTER
POUR. 5-1669
- CA-32-341 Caltrans, Photographer October 14, 1935
"TUNNEL - WEST PORTAL"; VIEW OF TUNNEL - WEST PORTAL WITH
CARS ON BRIDGE.
- CA-32-342 Caltrans, Photographer Date Unknown
YERBA BUENA TUNNEL, VIADUCT, AND DECK TRUSS UNDER
CONSTRUCTION.
- CA-32-343 Caltrans, Photographer January 24, 1935
DETAIL VIEW OF YERBA BUENA CABLE BENT UNDER
CONSTRUCTION. 6-845
- CA-32-344 Caltrans, Photographer February 10, 1936
"N. AND S. CABLES - Y.B. ANCHORAGE"; VIEW OF NORTH AND
SOUTH CABLES - YERBA BUENA ANCHORAGE AND CABLE BENT
UNDER CONSTRUCTION. 6-1943
- CA-32-345 Caltrans, Photographer September 20, 1935
"WEST ANCHOR ARM"; DETAIL VIEW OF CANTILEVER TRUSS WEST
ANCHOR ARM UNDER CONSTRUCTION. 7-1023
- CA-32-346 Caltrans, Photographer July 8, 1935
"PIER E-1"; VIEW OF PIER E-1, DECK TRUSS, AND CANTILEVER TRUSS
ANCHOR ARM UNDER CONSTRUCTION. 5-1583
- CA-32-347 Caltrans, Photographer April 10, 1935
"500 FT. SPANS"; VIEW OF THROUGH TRUSS (500 FT. SPANS) UNDER
CONSTRUCTION. 7-613
- CA-32-348 Caltrans, Photographer December 27, 1935
"TOWER E-3"; VIEW OF TOWER E-3 AND CANTILEVER TRUSS EAST
ANCHOR ARM UNDER CONSTRUCTION. 7-1128

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
HAER No. CA-32
INDEX TO PHOTOGRAPHS (page 39)

- CA-32-349 Caltrans, Photographer May 27, 1936
"Y.B. VIADUCT"; VIEW OF YERBA BUENA EAST VIADUCT UNDER
CONSTRUCTION. 5-1856
- CA-32-350 Caltrans, Photographer December 14, 1934
"LOWER DECK"; VIEW OF LOWER DECK OF OAKLAND APPROACH,
FACING WEST. 8-411
- CA-32-351 Caltrans, Photographer January 20, 1938
"TRACK & ROADWAY LOWER DECK E.B."; VIEW OF TRACK UNDER
CONSTRUCTION AND ROADWAY LOWER DECK - EAST BAY. R-9-6
- CA-32-352 Clyde Sunderland, Photographer May 11, 1934
AERIAL VIEW OF FLOATING CAISSON UNDER CONSTRUCTION.
- CA-32-353 Caltrans, Photographer January 18, 1934
"PIER 4"; VIEW OF PIER 4 CAISSON BEING EXCAVATED WITH DOMES
IN PLACE. 2-547
- CA-32-354 Caltrans, Photographer July 26, 1934
"PIER E-9"; VIEW OF BOTTOM OF COFFERDAM AT PIER E-9 AFTER
PILE DRIVING IS COMPLETE. 4-833

Photograph numbers CA-32-355 through CA-32-415 are photographic copies of architectural drawings. Original drawings are located at the Caltrans District 4 Office - Archives, Oakland, California.

- CA-32-355 J.R.L., Delineator Date Unknown
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; PRELIMINARY LAYOUT
STUDIES; DRG. NO. 3
- CA-32-356 Delineator Unknown March 1946
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; GENERAL DATA; PLAT III

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
HAER No. CA-32
INDEX TO PHOTOGRAPHS (page 40)

- CA-32-357 E.S.T., Delineator April 1935
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; SAN FRANCISCO SECTION
AND APPROACHES; GENERAL PLAN AND ELEVATION; CONTRACT
NO. 15 AND 15A; SUP. DRAWINGS NO. 1-A
- CA-32-358 E.S.T., Delineator April 1935
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; SAN FRANCISCO SECTION
AND APPROACHES; GIRDER AND FLOOR BEAM DETAILS; SPANS 5 TO
32; CONTRACT NO. 15 & 15A; SUP. DRAWING NO. 8A
- CA-32-359 Delineator Unknown April 1935
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; BRIDGE RAILWAY SAN
FRANCISCO LOOP; DETAILS OF VIADUCT; FINAL REPORT; DRG. NO.
92
- CA-32-360 J.H.E., Delineator Date Unknown
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; WEST BAY CROSSING; SAN
FRANCISCO ANCHORAGE; TYPICAL SECTIONS; DRG. NO. 13
- CA-32-361 W.J.M., Delineator Date Unknown
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; WEST BAY CROSSING; SAN
FRANCISCO ANCHORAGE; TYPICAL SECTIONS; DRG. NO. 14
- CA-32-362 Delineator Unknown June 1933
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; SAN FRANCISCO
ANCHORAGE; EYE BAR ANCHOR CHAIN; CONTRACT NO. 3; SUP.
DRAWING NO. 11-A
- CA-32-363 A.C.S., Delineator March 1934
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; CONTRACT NO. 6A;
SUPERSTRUCTURE - WEST BAY CROSSING; SAN FRANCISCO
ANCHORAGE; AMERICAN BRIDGE CO.; AMBRIDGE PLANT; ORDER
NO. G4866; SHEET NO E3

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
HAER No. CA-32
INDEX TO PHOTOGRAPHS (page 41)

- CA-32-364 J.G.M., Delineator February 1934
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; CONTRACT NO. 6;
SUPERSTRUCTURE - WEST BAY CROSSING; SAN FRANCISCO
ANCHORAGE CABLE BENT CASTING; AMERICAN BRIDGE CO.;
AMBRIDGE PLANT; ORDER NO. G 4852 [C]; SHEET NO. 100
- CA-32-365 J.W., Delineator February 1934
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; SAN FRANCISCO
ANCHORAGE; PIER NO. 1 - DETAILS; CONTRACT NO. 3; SUP.
DRAWING NO. 22A
- CA-32-366 F.A.N., Delineator Date Unknown
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; WEST BAY CROSSING; SAN
FRANCISCO CABLE BENT; DRG. NO. 33
- CA-32-367 J.W.G., Delineator August 1933
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; SUPERSTRUCTURE - WEST
BAY CROSSING; PIER NO. 5; GENERAL PLAN & ELEVATION;
CONTRACT NO. 2; SUP. DRAWING NO. 10A
- CA-32-368 J.R.L., Delineator Date Unknown
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; TYPICAL CAISSON DETAILS;
PIER W-3, W-4, W-5 & W-6; DRG. NO. 21
- CA-32-369 J.R.L., Delineator Date Unknown
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; WEST BAY CROSSING;
CAISSON ANCHORAGE; DRG. NO. 22
- CA-32-370 F.A.N., Delineator Date Unknown
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; WEST BAY CROSSING; PIER
W-4; PLANS AND ELEVATIONS; DRG. NO. 17

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
HAER No. CA-32
INDEX TO PHOTOGRAPHS (page 42)

- CA-32-371 A.J.M. and D.L.S., Delineators April 1934
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; SUPERSTRUCTURE - WEST
BAY CROSSING; PIER NO. 4; VERTICAL SECTIONS; CONTRACT NO. 2;
SUP. DRAWING NO. 17A
- CA-32-372 J.W.M., Delineator August 1934
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; CONTRACT NO. 6;
SUPERSTRUCTURE - WEST BAY CROSSING; OUTSIDE ELEVATION OF
HOUSING; CENTER ANCHORAGE - PIER NO. 4; AMERICAN BRIDGE
CO.; AMBRIDGE PLANT; ORDER NO. G 4854-XI; SHEET NO. E8
- CA-32-373 F.A.N., Delineator Date Unknown
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; WEST BAY CROSSING; PIER
W-4; DETAILS OF A-FRAME; DRG. NO. 19
- CA-32-374 Delineator Unknown June 1933
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; YERBA BUENA CROSSING;
EYE BAR CHAIN; CONTRACT NO. 5; SUP. DRAWING NO. 12A
- CA-32-375 Delineator Unknown June 1933
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; YERBA BUENA CROSSING;
ANCHORAGE TUNNELS; CONTRACT NO. 5; DRAWING NO. 10A
- CA-32-376 A.J.M. and D.L.S., Delineators February 1934
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; YERBA BUENA CROSSING;
CROSS-SECTIONS OF CABLE ANCHORAGE; CONTRACT NO. 5; SUP.
DRAWING NO. 4A
- CA-32-377 F.A.N. and Q.E.D., Delineators Date Unknown
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; WEST BAY CROSSING; YERBA
BUENA CABLE BENT; DRG. NO. 34

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
HAER No. CA-32
INDEX TO PHOTOGRAPHS (page 43)

- CA-32-378 A.C.S., Delineator March 1933
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; CONTRACT NO. 6A;
SUPERSTRUCTURE - WEST BAY CROSSING; YERBA BUENA
ANCHORAGE & CABLE BENT. AMERICAN BRIDGE CO.; AMBRIDGE
PLANT; ORDER NO. G 4866; SHEET NO. E4
- CA-32-379 Delineator Unknown December 1932
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; CABLES AND ATTACHMENTS
- WEST BAY CROSSING; SPLAY CASTINGS; CONTRACT NO. 6A;
DRAWING NO. 4
- CA-32-380 Delineator Unknown December 1932
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; CABLES & ATTACHMENTS -
WEST BAY CROSSING; CABLE BANDS; CONTRACT NO. 6A; DRAWING
NO. 3
- CA-32-381 J.H.E., Delineator Date Unknown
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; WEST BAY CROSSING;
SUSPENDED STRUCTURE; ERECTION; DRG. NO. 43
- CA-32-382 J.R.L., Delineator Date Unknown
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; WEST BAY CROSSING;
TOWERS; GENERAL ELEVATIONS & SECTIONS; DRG. NO. 28
- CA-32-383 F.A.N., Delineator Date Unknown
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; WEST BAY CROSSING;
TOWERS; TYPICAL BASE DETAILS; DRG. NO. 29
- CA-32-384 F.A.N., Delineator Date Unknown
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; WEST BAY CROSSING;
TOWERS; BRACING AND ROCKER BRACKET DETAILS; DRG. NO. 30

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
HAER No. CA-32
INDEX TO PHOTOGRAPHS (page 44)

- CA-32-385 Delineator Unknown December 1932
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; SUPERSTRUCTURE - WEST
BAY CROSSING; ROCKER POSTS AND BEARING; CONTRACT NO. 6;
DRAWINGS NO. 42
- CA-32-386 F.A.N., Delineator Date Unknown
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; WEST BAY CROSSING;
TOWERS; TYPICAL TOP DETAILS; DRG. NO. 31
- CA-32-387 D.E.M., Delineator December 1932
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; SUPERSTRUCTURE - WEST
BAY CROSSING; TOWERS 2, 3, 5 & 6; BRACING DETAILS - LOWER
DECK; CONTRACT NO. 6; DRAWING NO. 27
- CA-32-388 D.E.M., Delineator December 1932
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; SUPERSTRUCTURE - WEST
BAY CROSSING; SUSPENDED STRUCTURE; SIDE SPAN TRUSSES AT
ANCHORAGES; CONTRACT NO. 6; DRAWING NO. 40
- CA-32-389 J.H.E., Delineator Date Unknown
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; WEST BAY CROSSING;
SUSPENDED STRUCTURE; TYPICAL DETAILS; DRG. NO. 42
- CA-32-390 Delineator Unknown October 1933
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; SUPERSTRUCTURE - EAST
BAY CROSSING; SPANS YBI TO E1 - E9 TO E11; TYPICAL CROSS-
SECTION; CONTRACT NO. 7; SUP. DRAWING NO. 82
- CA-32-391 F.A.N., Delineator Date Unknown
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; EAST BAY CROSSING; PIER E-
1; GENERAL DETAILS; DRG. NO. 45

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
HAER No. CA-32
INDEX TO PHOTOGRAPHS (page 45)

- CA-32-392 J.R.L., Delineator August 1933
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; SUPERSTRUCTURE - EAST
BAY CROSSING; PIER E1; ANCHORAGE STEEL WORK; CONTRACT NO.
7; SUP. DRAWING NO. 72A
- CA-32-393 Delineator Unknown Date Unknown
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; EAST BAY CROSSING; PIER-E3;
GENERAL DETAILS; DRG. NO. 47
- CA-32-394 F.A.N., Delineator Date Unknown
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; EAST BAY CROSSING; PIERS
E-2, E-3, E-4, E-5; PLANT LAYOUT AND CAISSON ANCHORAGES; DRG.
NO. 51
- CA-32-395 J.L.E., Delineator Date Unknown
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; EAST BAY CROSSING; TOWER
E-4; GENERAL PLAN; DRG. NO. 58
- CA-32-396 Delineator Unknown Date Unknown
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; EAST BAY CROSSING;
CANTILEVER STRUCTURE; DETAILS I; DRG. NO. 68
- CA-32-397 Delineator Unknown Date Unknown
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; EAST BAY CROSSING;
CANTILEVER STRUCTURE; DETAILS II; DRG. NO. 69
- CA-32-398 Delineator Unknown Date Unknown
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; EAST BAY CROSSING;
GENERAL PLAN; TOWER E-9; DRG. NO. 59

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
HAER No. CA-32
INDEX TO PHOTOGRAPHS (page 46)

- CA-32-399 J.H.E., Delineator Date Unknown
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; EAST BAY CROSSING; 504-
FOOT SPANS; TYPICAL DETAILS; DRG. NO. 64
- CA-32-400 Delineator Unknown Date Unknown
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; EAST BAY CROSSING; PIER E-6
TO E-23; TYPICAL DETAILS; DRG. NO. 52
- CA-32-401 J.W.P.C., Delineator Date Unknown
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; SAN
FRANCISCO - OAKLAND BAY BRIDGE; EAST BAY CROSSING; PIERS E-
6 TO E-22; SEQUENCE OF OPERATION; DETAILS OF EQUIPMENT; DRG.
NO. 53
- CA-32-402 Delineator Unknown May 2, 1933
STUDY FOR SUSPENSION TOWERS; SAN FRANCISCO - OAKLAND BAY
BRIDGE; TIMOTHY L. PFLUEGER, ARTHUR BROWN JR., JOHN J.
DONOVAN; BOARD OF CONSULTING ARCHITECTS; SCHEME 1A
- CA-32-403 Delineator Unknown May 2, 1933
STUDY FOR SUSPENSION TOWERS; SAN FRANCISCO - OAKLAND BAY
BRIDGE; TIMOTHY L. PFLUEGER, ARTHUR BROWN JR., JOHN J.
DONOVAN; BOARD OF CONSULTING ARCHITECTS; SCHEME 2
- CA-32-404 Delineator Unknown June 1, 1933
STUDY FOR TOP OF SUSPENSION TOWERS; SAN FRANCISCO -
OAKLAND BAY BRIDGE; TIMOTHY L. PFLUEGER, ARTHUR BROWN
JR., JOHN J. DONOVAN; BOARD OF CONSULTING ARCHITECTS;
SCHEME 7-A
- CA-32-405 Delineator Unknown Date Unknown
CENTER ANCHORAGE ELEVATIONS & SECTIONS
- CA-32-406 Delineator Unknown April 19, 1933
ELEVATION STUDY FOR SAN FRANCISCO ANCHORAGE; SAN
FRANCISCO - OAKLAND BAY BRIDGE; BOARD OF CONSULTING
ARCHITECTS; TIMOTHY L. PFLUEGER, ARTHUR BROWN JR., JOHN J.
DONOVAN; SHEET 23

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
HAER No. CA-32
INDEX TO PHOTOGRAPHS (page 47)

- CA-32-407 Delineator Unknown July 11, 1933
PERSPECTIVE STUDY OF SAN FRANCISCO ANCHORAGE; SAN
FRANCISCO - OAKLAND BAY BRIDGE; TIMOTHY L. PFLUEGER,
ARTHUR BROWN JR., JOHN J. DONOVAN; BOARD OF CONSULTING
ARCHITECTS; SHEET 12
- CA-32-408 Delineator Unknown September 19, 1933
SAN FRANCISCO - OAKLAND BAY BRIDGE; STUDY FOR SAN
FRANCISCO ANCHORAGE; TIMOTHY L. PFLUEGER, ARTHUR BROWN
JR., JOHN J. DONOVAN; BOARD OF CONSULTING ARCHITECTS; SHEET
NO. 26
- CA-32-409 Delineator Unknown October 25, 1933
(SAN FRANCISCO ANCHORAGE); SAN FRANCISCO - OAKLAND BAY
BRIDGE; BOARD OF CONSULTING ARCHITECTS; TIMOTHY L.
PFLUEGER, ARTHUR BROWN JR., JOHN J. DONOVAN; DRAWING
NO. 33
- CA-32-410 Delineator Unknown Revised November 2, 1933
SAN FRANCISCO ANCHORAGE; SAN FRANCISCO - OAKLAND BAY
BRIDGE; "A"
- CA-32-411 Delineator Unknown November 2, 1933
1/8" SCALE DETAIL STUDY OF S.F. ANCHORAGE; SAN FRANCISCO -
OAKLAND BAY BRIDGE; TIMOTHY L. PFLUEGER, ARTHUR BROWN
JR., JOHN J. DONOVAN; BOARD OF CONSULTING ARCHITECTS; SHEET
NO. R31
- CA-32-412 Delineator Unknown December 22, 1933
ELECTROLIER BETWEEN E39 AND TOLL PLAZA; ELECTROLIER AT E-
35 & E-32; SAN FRANCISCO - OAKLAND BAY BRIDGE; BOARD OF
CONSULTING ARCHITECTS; T. L. PFLUEGER, ARTHUR BROWN JR.,
JOHN J. DONOVAN; DRAWING NO. 42
- CA-32-413 Delineator Unknown Date Unknown
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; DIVISION
OF SAN FRANCISCO BAY TOLL CROSSINGS; SAN FRANCISCO -
OAKLAND BAY BRIDGE RECONSTRUCTION; STEEL WORK - WEST
BAY; CONTINUOUS SPANS - LONGITUDINAL GIRDERS; SHEET NO. 18;
DRAWING NO. C-4028-18R

SAN FRANCISCO OAKLAND BAY BRIDGE
(Oakland-San Francisco Bay Bridge)
HAER No. CA-32
INDEX TO PHOTOGRAPHS (page 48)

- CA-32-414 Delineator Unknown Date Unknown
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; DIVISION
OF SAN FRANCISCO BAY TOLL CROSSINGS; SAN FRANCISCO -
OAKLAND BAY BRIDGE RECONSTRUCTION; STEEL WORK - WEST
BAY; TYPICAL SECTIONS; SHEET NO. 5; DRAWING NO. C-4028-5R
- CA-32-415 Delineator Unknown Date Unknown
STATE OF CALIFORNIA; DEPARTMENT OF PUBLIC WORKS; DIVISION
OF SAN FRANCISCO BAY TOLL CROSSINGS; SAN FRANCISCO -
OAKLAND BAY BRIDGE RECONSTRUCTION; STEEL WORK - WEST
BAY; Y.B. ANCHORAGE - FLOOR BEAMS YA-5 AND BENT 3; SHEET
NO. 22; DRAWING NO. C-4028-22R